

IN THE CLAIMS

Please cancel claim 5 without prejudice or disclaimer of the subject matter contained therein.

Please amend the claims as follows:

1. (Amended) A method for fast booting a computer system, comprising the steps of:

A. performing a power on self test (POST) of basic input output system (BIOS) when the system is powered on or reset is requested;

B. checking whether a boot configuration information including a system booting state which was created while executing a previous normal booting process exists or not;

C. storing the boot configuration information from execution of the POST operation before loading a graphic interface (GUI) program, based on the checking result; and

D. loading the graphic user interface (GUI) program.

6. (Amended) A method for fast booting a computer system, comprising the steps of:

A. performing a power on self test (POST) of basic input output system (BIOS) when the system is powered on or reset is requested;

B. resuming a boot configuration information including a system booting state by using the boot configuration information which was stored while executing a previous normal boot process; and

C. loading a graphic user interface (GUI) program.

7. (Amended) A method according to claim 6, wherein said step B further comprises the steps of:

check if a designated boot configuration information is different from the resuming boot configuration information;

executing an initial driving program based on a modified configuration information; and

updating the boot configuration information after said execution.

8. (Amended) A method according to claim 6, wherein said step B comprises the steps of:

determining whether to resume said stored boot configuration information;

resuming the contents of memory blocks, addresses of which have been stored while executing a previous normal booting process; and

writing zeros into other memory blocks than the resumed memory blocks.

10. (Amended) A method for quickly booting a computer system in which Windows operating system is installed, comprising the steps of:

A. performing a power on self test (POST) of basic input output system (BIOS) when the system is powered on or reset is requested;

B. checking whether a boot configuration information including a system booting state which was created while executing a previous normal boot process exists or not;

C. storing the current boot configuration information, if there is no stored boot configuration information;

D. performing the POST operation when the computer system is rebooted;

E. resuming the stored boot configuration information; and

F. updating the boot configuration information before a graphic user interface (GUI) program is loaded, if a designated boot configuration information is different from the boot configuration information.

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11. (Amended) A method according to claim 10, wherein said step B calls an interrupt for bootstrap loader to check if the boot configuration information which was created while executing a previous normal booting process.

12. (Amended) A method according to claim 10, wherein said step F determines whether or not the designated boot configuration information is different from the resumed boot configuration information based on changes of CONFIG.SYS file and/or AUTOEXEC.BAT file.

Please add the following new claims.

--13. A method for supporting fast booting a computer system through storing/resuming a memory status of the system, comprising the steps of:

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- checking whether to store a memory contents status;
- checking memory contents of a certain unit of the memory;
- selectively storing contents written in an area necessary for system operation based on the memory contents checking result; and
- resuming the stored contents for fast booting.

14. A method according to claim 13, wherein the certain unit is composed of segment having 64 bytes.

15. A method according to claim 13, wherein the storing step stores the contents if a value in a memory block is not '0', and does not store the contents if the value is '0'.

16. A method according to claim 13, wherein the storing step stores an address of a memory block if value of a memory block is not '0', and does not store the address if the value is '0'.

17. The method according to claim 13, wherein the resuming step resumes pre-stored memory contents of the certain unit while writing '0' in a remainder of the certain unit.

18. A method according to claim 13, wherein the resuming step resumes the stored contents belonging to a corresponding segment if the system is resumed from a hibernation state to a normal state, and does not resume a remaining portion of the segment.

19. A method according to claim 1, wherein the boot configuration information in which system booting state is included comprises states of memory and hardware.--